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CLAIMS

1. Use of magnesium stearate to inhibit or reduce chemical interaction between an active ingredient substance and a carrier in a solid pharmaceutical formulation, wherein said active ingredient substance is susceptible to chemical interaction with said carrier.

- 2. Use of magnesium stearate to inhibit or reduce chemical degradation of an active ingredient substance in a solid pharmaceutical formulation comprising the active ingredient substance and a carrier, wherein said active ingredient substance is susceptible to chemical interaction with said carrier.
- 3. Use as claimed in claim 1 or claim 2 wherein the carrier is a reducing sugar.
- 4. Use as claimed in claim 3 wherein the carrier is lactose.

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- 5. Use as claimed in any one of claims 1 to 4 wherein the magnesium stearate is present in an amount of from 0.1 to 20% w/w based on the total weight of the composition.
- 6. Use as claimed in any one of claims 1 to 5 wherein the active ingredient substance is present in an amount of from 0.01% to 50% w/w based on the total weight of the composition.
 - 7. Use as claimed in any one of claims 1 to 6 wherein the drug substance is one which includes the group Ar-CH(OH)-CH₂-NH-R.

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- 8. Use according to claim 7 wherein said drug substance is selected from:
- 3-(4-{[6-({(2R)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)hexyl] oxy}butyl) benzenesulfonamide;
- 30 3-(3-{[7-({(2R)-2-hydroxy-2-[4-hydroxy-3-hydroxymethyl)phenyl]ethyl}-amino)heptyl]oxy}propyl)benzenesulfonamide;
 - 4-{(1R)-2-[(6-{2-[(2,6-dichlorobenzyl)oxy]ethoxy}hexyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol and
 - 4-{(1R)-2-[(6-{4-[3-(cyclopentylsulfonyl)phenyl]butoxy}hexyl)amino]-1-hydroxyethyl}-2-(hydroxymethyl)phenol,
 - or a salt, solvate or physiologically acceptable derivative thereof.

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9. Use as claimed in any one of claims 1 to 8 wherein the solid pharmaceutical formulation is for administration by inhalation.

- 5 10. Use as claimed in any one of claims 1 to 9 wherein the solid pharmaceutical formulation comprises two or more active ingredient substances.
 - 11. An inhalable solid pharmaceutical formulation comprising (a) an active ingredient substance susceptible to chemical interaction with lactose, (b) a carrier and (c) magnesium stearate.

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- 12. An inhalable solid pharmaceutical formulation as claimed in claim 11 further comprising one or more of the features described in any one or more of claims 3 to 10.
- 13. An inhalable solid pharmaceutical formulation as claimed in claim 11 or claim 12 wherein the active ingredient substance is 3-(4-{[6-({(2R)-2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl}amino)hexyl] oxy}butyl) benzenesulfonamide; or a salt, solvate or physiologically acceptable derivative thereof, and the carrier is lactose.
- 20 14. A method of reducing or inhibiting chemical interaction between an active ingredient substance and a carrier susceptible to chemical interaction, which comprises mixing magnesium stearate with said active ingredient substance and said carrier.
- 15. A method of inhibiting chemical degradation of an active ingredient substance in a formulation comprising a carrier and an active ingredient substance, which method comprises mixing magnesium stearate with said active ingredient substance and said carrier.
- 16. A method as claimed in claim 14 or 15 further comprising one or more of the featuresdescribed in any one or more of claims 3 to 10.
 - 17. Use of an inhalable solid pharmaceutical formulation as claimed in claim 11 to 13 for the manufacture of a medicament for the treatment of asthma, chronic obstructive pulmonary disease (COPD), chronic or wheezy bronchitis, emphysema, respiratory tract infection, upper respiratory tract disease or rhinitis, including seasonal and allergic rhinitis.

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18. A method for treating asthma, chronic obstructive pulmonary disease (COPD), chronic or wheezy bronchitis, emphysema, respiratory tract infection, upper respiratory tract disease, or rhinitis, comprising administering to a patient in need thereof an inhalable solid pharmaceutical formulation as claimed in claim 11 to 13.

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19. A method of preparing a solid pharmaceutical preparation comprising combining in one or more steps: (a) an active ingredient substance susceptible to interaction with a carrier, (b) a carrier and (c) magnesium stearate.